SAMSUNG DIGITall
everyone's invited™

Design & specification are subject to change without notice.

DA68-01718J(6)

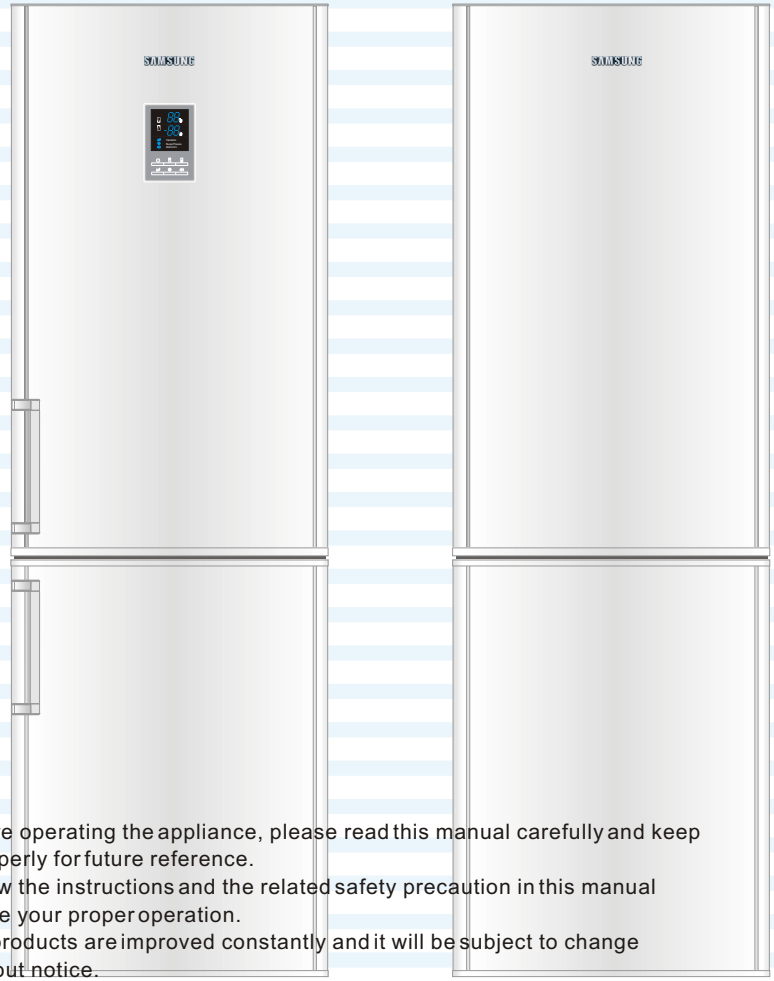
SAMSUNG

INSTRUCTIONS MANUAL

ENGLISH

MODEL:

RL370EG*
RL370EC*
RL370SC*
RL370SG*



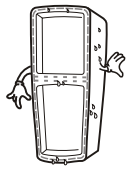
- Before operating the appliance, please read this manual carefully and keep it properly for future reference.
- Follow the instructions and the related safety precaution in this manual before your proper operation.
- Our products are improved constantly and it will be subject to change without notice.

Please join in our product registration in the following website.
www.samsung.com/global/register

Free Standing Appliance

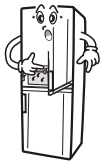
Troubleshooting

Condensation/Leakage, Moisture/Icing



There is condensate on the exterior or middle frame.

-It happens when the humidity is high.
-Wipe the moist with soft cloth.



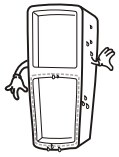
There is condensate on the fresh fruit box.

-The door is left open too long;
-Liquid foods are not covered properly.
-Many high water-contented foods are stored inside.

Melted frost water flows inside the refrigerator:

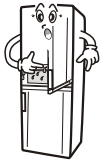
-The water outlet is blocked
-Please smooth the outlet with drain plug or similar tool.

The refrigerator is hot on both sides and has abnormal smells.



The front frame and side panels of the refrigerator are hot.

-Condensate pipes are installed in the front frame of the refrigerator to prevent condensation. The refrigerator may become hot during the operation, and that is not a malfunction.
-The heat radiators (condensers) are installed on both sides of the refrigerator. It is normal to be hot on both sides.



There is abnormal smell in the refrigerator.

-The foods with smells shall be packed tightly.
-Check if there is any rotten food.
-Clean the internal refrigerator.

Contents

Parts Description 2
Safety Precautions..... 3
Preparing the Appliance for Use.....4
Installation Instructions.....5
Control Panel.....6
Food Storage Instructions.....10
Maintenance and Cleaning.....11
Removing the Accessories.....12
Changing the opening Directions of the Doors.....13
Troubleshooting.....15
Technical Parameters and Electrical Diagram.....17

Welcome to buy the world famous SAMSUNG Refrigerator!

Please use the appliance according to the requirements after reading this manual. "Warning" and "Precaution"are the important information related to the safety. Please read it carefully.

Warning means the dangerous situations that may cause potential serious hazards if it is not operated according to the requirements.

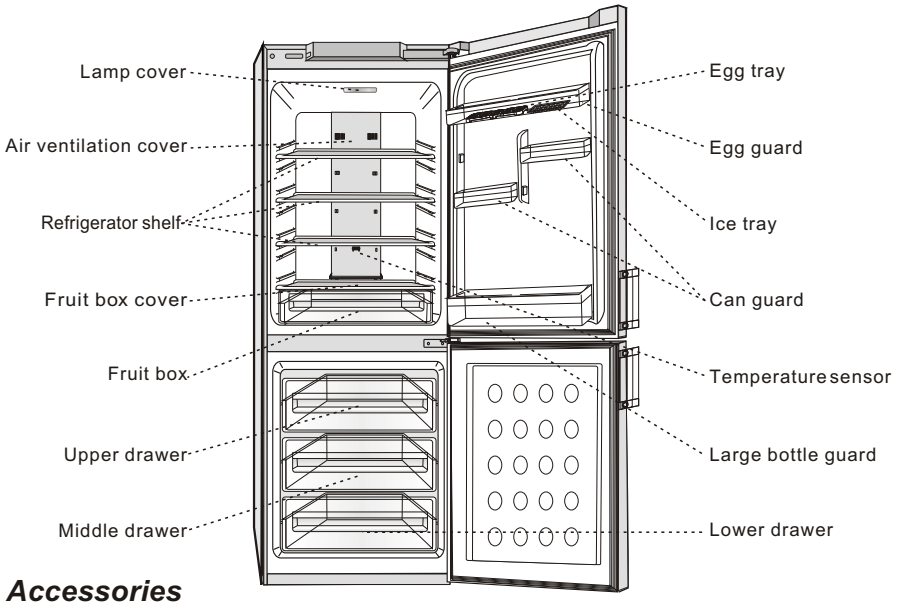
Caution means the situations that may cause slight hazards or malfunctions if not being avoided.

Parts Description

Features

※Indirect refrigerating and Frost-free: The refrigerator is indirect refrigerating and frost-free with its automatic de-frost function and even distributed temperature in the compartments.
※Dual-loop: The temperatures in the refrigerator and freezer can be displayed and controlled separately.
※Left/right door opening: The direction of the door opening can be adjusted according to the user's habit.

Structure introduction



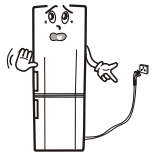
Accessories

NAME / MODEL		RL370EG*	RL370EC*	RL370SC*	RL370SG*
Interior accessories	Refrigerator shelf	3	3	3	3
	Fruit box cover	1	1	1	1
	Fruit box	1	1	1	1
	upper drawer	1	1	1	1
	middle drawer	1	1	1	1
	lower drawer	1	1	1	1
Door set accessories	Egg guard	1	1	1	1
	Can guard	2	2	2	2
	large bottle guard	1	1	1	1
	Egg tray	1	1	1	1
	Ice tray	1	1	1	1
Printed documents	User's Manual	1	1	1	1

Troubleshooting

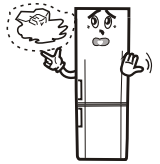
Not cold, not very cold and too cold

◆**The refrigerator does not work or refrigerate.**



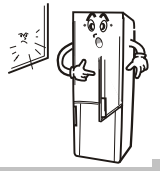
-The plug is not plugged properly.
-The power is not connected and power socket has fault.
The power is disconnected during the operation and reconnected within less than 5 minutes after power disconnection.

◆**The refrigerator is not very cold.**



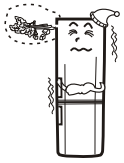
-The doors are not closed properly.
-The temperature is set too high.
-Door seal is damaged or deformed. The sealing is not tight.
-The refrigerator has heat resources or around or is exposed to the direct sunlight.
-The external ventilation is poor.

◆**After the appliance has been running for a long period of time:**



-The doors are opened frequently or not closed properly.
-The external ventilation is poor. The refrigerator has long time heat radiation.

◆**The fridge is too cold and the foods are frozen.**



-The temperature is set too low; The user is suggested to raise the set temperature in the fridge.

The refrigerator has abnormal sounds.

The temperature in the refrigerator is reduced by the running of the compressor and the circulation of the refrigerant etc to ensure the freshness and nutrition of the foods in the refrigerator. During the running of the refrigerator, you can hear some slight sounds. It is normal and please take ease to use it.

◆ The refrigerator is not positioned in level.
If the refrigerator is positioned slightly not level, the running sound will be increased. Its stabilization can be adjusted by turning the adjustment leg on the bottom of the body.

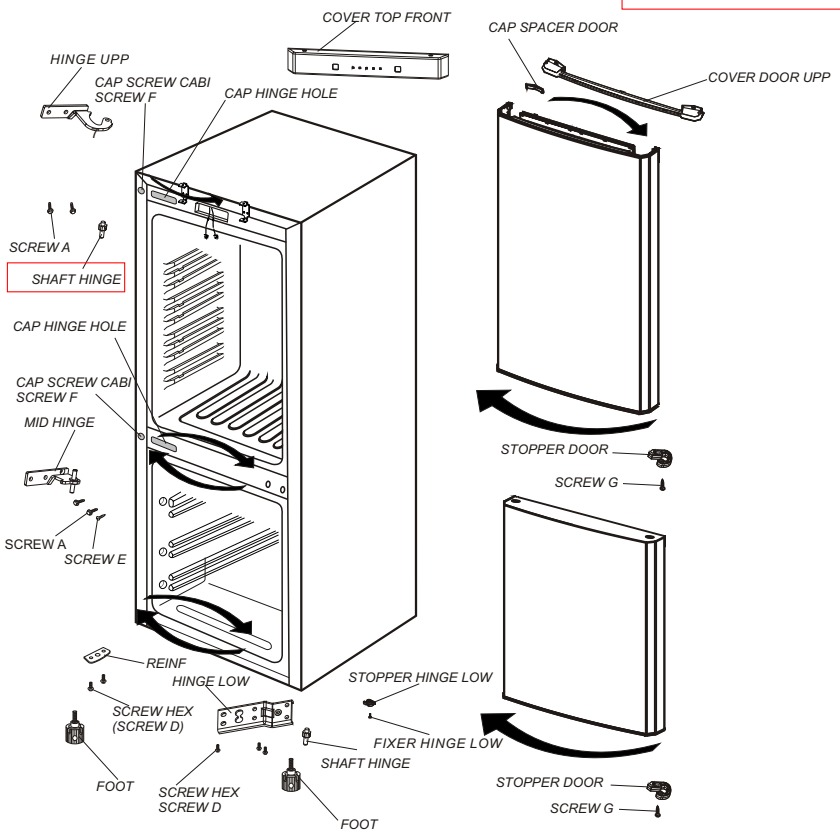
◆ "Clicking" and "Bubbling" Sounds.
When the refrigerator is stopped, the electrical components such as main control panel, startup relay and heat protector will have clicking or bubbling sounds suddenly due to their connection or disconnection.

◆ "Cracking" Sounds
When the refrigerator is running, due to the variation of temperature differences, the foods are broken or the evaporator and pipes have cracking sounds because of their contraction and expansion.

◆ Slight "Buzzing" Sounds
When the compressor is running, the sound is slightly high during the startup. The high-efficient refrigerator has quite higher sound when the compressor is working strongly. When you hear the low motor sounds, it is the sound caused by the freezing fan to keep the temperature regular. It is not a fault.

◆ Air Flow or Babbling Sound
The temperature in the refrigerator can drop rapidly only by the circulation of refrigerant in the pipeline. The refrigerant can be gas or liquid. The low sound may be heard during the circulation.

Changing the direction of the door opening(RL370SC*)



Simply Type:

1. Take down HINGE UPP and SHAFT-HINGE and install them at the opposite side of the HING-UPP. Take down COVER DOOR UPP and fridge door.

2. Take down SCREW A, SCREW E and MID HINGE, and then the refrigerator door. Take down CAP HINGE HOLE, CAP SCREW CABI and SCREW F. Then fix them at right.

3. Gently incline the appliance in less than 45 degree, remove the right side FOOT, and unfasten the SCREW D. Take down HINGE LOW, FIXER HINGE LOW ,SHIFT HINGE and STOPPER HINGE LOW. Reverse and fix STOPPER HINGE LOW with FIXER HINGE LOW to the left of HINGE LOW and SHIFT HINGE.

4. Take down left FOOT and unfasten SCREW D. Take down and fix REINF to the right. Then install FOOT.

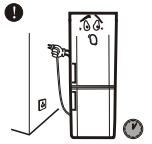
5. Take down SCREW G and STOPPER DOOR in the fridge and freezer doors and install them at the left of the doors. Take down CAP HOLE DOOR and CAP SPACER DOOR and fix them at the left of the doors,

6. Fix MID HINGE with SCREW A and SCREW E, and install the freezer door. Fix left HINGE-LOW and install FOOT. Put the refrigerator stable and install the fridge and freezer doors. Fix HINGE UPP with SCREW A.

Safety Precautions

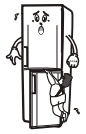
◆If the appliance is disconnected from the power supply, you should wait for at least five minutes before reconnecting the power to avoid damaging the compressor.

CAUTION: If the flexible power cord is damaged, it must be repaired by special tools. Thus, it must be replaced by the repair store appointed by the manufacturer.

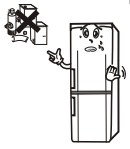


◆Do not use inflammable aerosols such as spray paint and dope near the refrigerator. Otherwise, there will be a risk of explosion.

◆Do not let children hang on the doors or climb the refrigerator to avoid damaging the refrigerator and injuring the children.

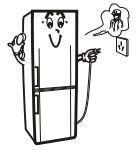


◆Do not store corrosive, inflammable and explosive, strong acid or alkali substances such as butane, ether, vitriol, benzene, and alcohol. Bottles containing liquid foods also shall not be stored in the freezer; otherwise the bottles may be broken.

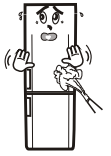


◆Do not store pharmaceuticals products, scientific materials or temperature-sensitive products in the refrigerator.
- Products that require strict temperature controls must not be stored in the refrigerator.

◆If the refrigerator can not work normally or is damaged, do not continue using it. Pull out the power plug and contact the local service center immediately. If the power cord is damaged, to avoid any accident, it must be replaced by service agent of the manufacturer or a qualified staff.

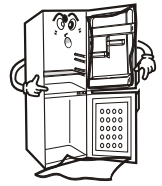


◆Do not splash water on the top or back of the refrigerator to avoid reducing the insulation effects of the appliance.



◆If you wish to dispose of the refrigerator, please first remove the door seals.

◆When the appliance is disposed of, it shall be handled by professional staff instead of being discarded casually; otherwise it may cause hazards or other dangers to the environment.



Safety Precautions

Caution

When comparing the appliance with other refrigerators, please refer to the model and number;

Before the appliance is connected to the power, verify if voltage rating of the refrigerator is same to the power voltage. The voltage can be variable from 187V to 240V; if the power voltage can not meet the requirements, an automatic transformer with a minimum output of 500W shall be used.

If the appliance is disconnected from the power, you should wait for at least five minutes before reconnection; otherwise there may be a hazard to the compressor.

Do not store food close to the temperature sensor; otherwise it may display wrong temperatures.

Do not open and close the door too frequently or for a long time during hot weather; otherwise it may affect the efficiency of the entire unit and burden the appliance with excessive load.

Do not leave the refrigerator upside down or horizontal or keep inclined over 45 degree to the ground if necessary;

Do not pull or push the appliance by holding the door handles or exert too much upward/ downward forces on the door handle;

If a lot of hot foods are stored at the same time or the door is opened frequently or kept open for a long period of time, the internal temperature will rise and the temperature display may flash. It will be recovered normal after a period of stable operation;

The refrigerator must be located with an easy access to the power supply.

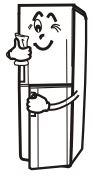
Alert The cooling effects originates from refrigerant that is filled through special process. Please ensure the pipes in the rear are intact.

During transportation and installation, please handle the appliance carefully to protect the cooling system from damage.

Do not start the appliance that has any damage. If any problems, please contact the dealer or service centre.

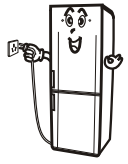
Preparing the appliance for use

1.Remove all the packing materials of the components, and do remove the foam pad under the refrigerator during the operation;

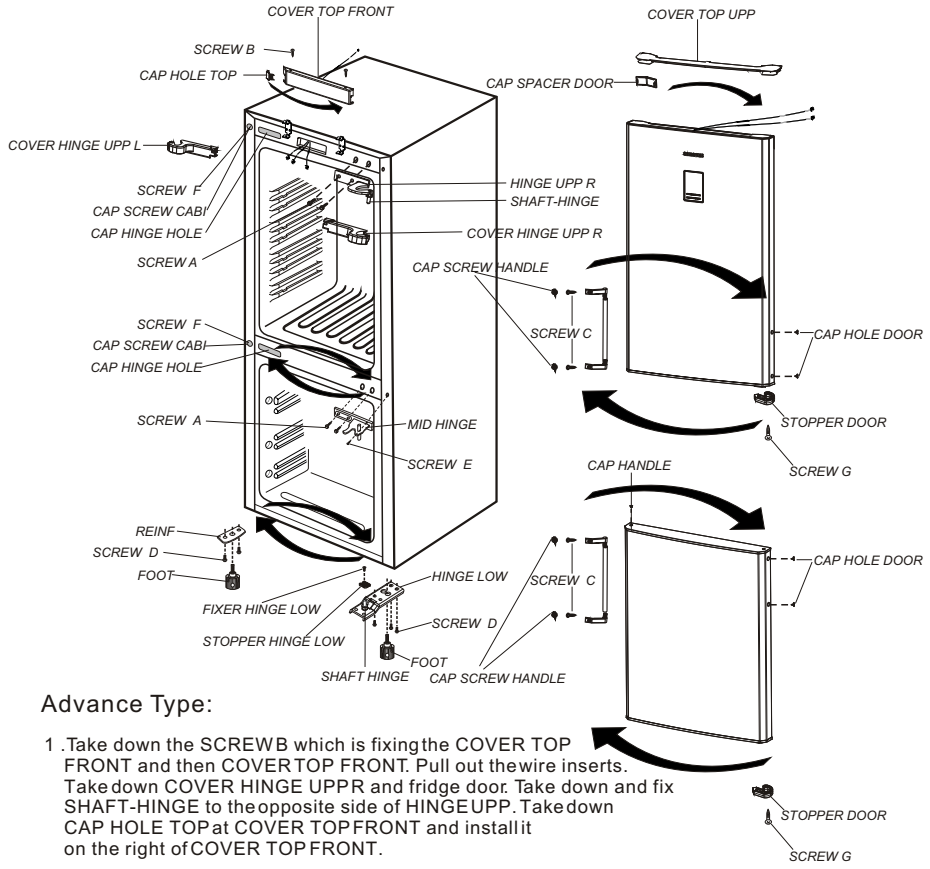


2.Clean the interior and exterior of the refrigerator with wet warm cloth (add little neutral detergent in the warm water).

3.The power plug can be connected around one hour after the refrigerator is positioned stable, please make the appropriate operations with careful reference to the page of control panel introduction.



Changing the direction of the door opening(RL370EG*)



Advance Type:

1 .Take down the SCREW B which is fixing the COVER TOP FRONT and then COVER TOP FRONT. Pull out the wire inserts. Take down COVER HINGE UPP R and fridge door. Take down and fix SHAFT-HINGE to the opposite side of HINGE UPP. Take down CAP HOLE TOP at COVER TOP FRONT and install it on the right of COVER TOP FRONT.

2. Take down SCREW A, SCREW E and MID HINGE of the fixing hinge and then freezer door. Take down CAP HINGE HOLE, CAP SCREW CABI and SCREW F at left and install them at right.

3. Gently incline the appliance in less than 45 degree, remove the right FOOT and unfasten SCREW D. Take down right HINGE LOW. Then take down FIX HINGE LOW, SHIFT HINGE and STOPPER HINGE LOW. Reverse STOPPER HINGE LOW and fix it to the left of HINGE LOW with FIXER HINGE LOW and SHIFT HINGE.

4. Take down the left FOOT and unfasten SCREW D. Take down and fix REINF to the right. Then fix FOOT.

5.Take off the SCREW G and STOPPER DOOR in the freezer door and install them at the left of the door. Take off CAP HOLE DOOR, CAP SCREW HANDLE, SCREW C, HANDLE UPP, HANDLE BAR, HANDLE LOW, CAP HANDLE, and CAP SPACER DOOR, and install them at the right of the door. Install CAP HOLE DOOR on the left of the door.

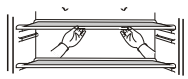
6.Install the freezer's door, and fix MID HINGE with SCREW A and SCREW E. Fix the refrigerator's door with SCREW A and HINGE UP L.

7.Fix the wire inserts properly. Install COVER HINGE UPP L and cover it with COVER DOOR UPP.

8.Install COVER TOP FRONT and finally fasten SCREW B.

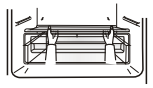
Removing the Accessories

The use of the Accessories



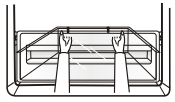
◆ **Refrigerator shelf**

Lift the back of the shelf up to take it out.
(Its location can be changed as per the heights of the containers)



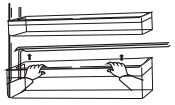
◆ **Fruit box cover**

Lift the back of the fresh fruit drawer cover up to take it out.



◆ **Freezer Drawer**

Pull it out till the edge and then lift it up to remove it;
If it contains heavy articles, you need to lift it up slightly to put it back;



◆ **Egg Tray and Large Bottle Guard**

Lift them up to take out.

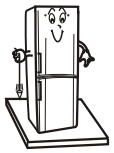
Replacing the lamp bulb

Warning

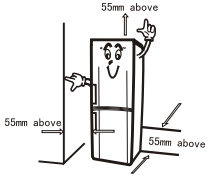
Do not replace LED lamp privately and please contact the specialized repair staff if necessary.
And make it sure that the new LED lamp is the same as the old one.
Do not break the lamp cover .

Installation Instructions

◆Your refrigerator should be put in a solid and level place. The adjusting leg on the bottom of the refrigerator shall be turned to adjust its horizontal location if not level. (lifting it up counterclockwise)



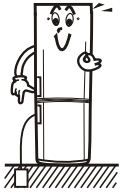
◆The distance between the wall and rear or sides of the refrigerator should not be less than 55 cm and the top clearance shall not be less than 55cm.



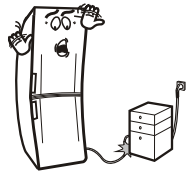
◆Keep the appliance away from any heat sources and avoid the direct sunlight.

◆The appliance should not be put in a humid environment to avoid that its metal parts become rusty or their insulation effects get reduced. In case of any natural disasters (i.e. storm, accident), if the refrigerator has been soaked in water, you should go to the appointed local SAMSUNG service centre for repair. You can use it again only when you make sure if there is no problem.

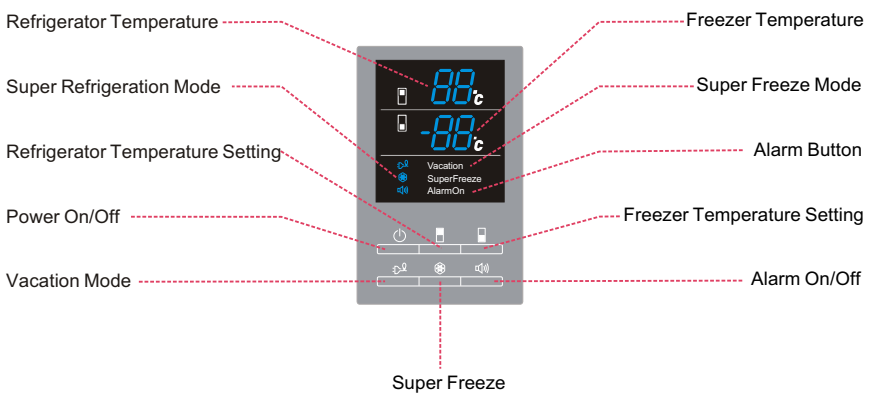
◆For the safety concerns, the refrigerator must be earthed correctly and shall not be earthed through telephone wire or gas pipe.



◆Do not have the power cord pressed by any object.



Control Panel (RL370EG*, RL370EC*)



1. Power Button

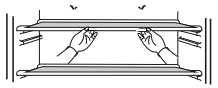
1-1.While the refrigerator is running, all the lamps will be off and the appliance stops running if you press the button and hold for 3 seconds;
1-2.If you press the button again and hold for 3 seconds, it will start running again and the temperatures will be set at the levels before you turned it off.

2. Refrigerator Temperature Setting

◆2-1.You may adjust the temperature in the refrigerator by pressing the temperature setting button;
◆2-2.You will hear a "Ding" sound when you press the button, then the current temperature will be displayed. You may set a new temperature by pressing the button again. The temperature will be changed in a sequence of 3℃, 2℃, 1℃, 7℃, 6℃, 5℃, 4℃,3℃, every time once you press the button;
◆2-3.Every time you press the button, you will hear a "Ding" sound;
◆2-4.5 seconds after you press the button, the selected temperature will be confirmed. The screen will recover to display the current refrigerator temperature;
◆2-5.In Vacation Mode, the refrigerator temperature will not be displayed. If you press the Refrigerator Temperature Setting button, the appliance will automatically quit from the Vacation Mode. The refrigerator temperature will be controlled according to the set temperature.

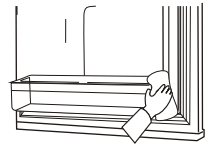
Maintenance and Cleaning

◆ For interior accessories:



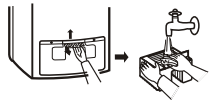
Remove all the shelves, guards, trays, covers, and drawers, and clean them with a wet warm cloth.

◆ Door Seal:



Clean the door seal carefully; the chopstick wrapped with cotton wool may be used to clean the grooves.
It shall be wiped off if being cleaned with water.

◆ Receiving Water Pan:



Loosen the screw in the middle of the compressor cover.
Pull out a little and lift the pan up to take it out.
Clean it up before putting it back.

Caution

◆Unplug the appliance before you clean it;
◆Make sure there is no water entering the lamp cover;
◆It is better to use neutral detergent to clean the refrigerator.

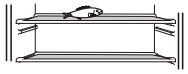
Warning

◆The glass shelf is a removable accessory and relatively heavy. Please prevent the children from moving it to avoid any injury.
◆If the refrigerator is not installed level, it may cause abnormal noise;
◆For the initial startup of the appliance, it will take a period of time for the machine to cool down from the ambient temperature to a set temperature. It is usually 3 hours before the appliance can work normally.
◆Keep ventilation openings, in the appliance enclosure or in the build-in structure, clear of obstruction.
◆Do not use mechanical devices or other means to accelerate the defrosting process, other than those recommended by the manufacturer.
◆Do not damage the refrigerant circuit.
◆Do not use electrical appliances inside the food storage compartments of the appliance, unless they are of the type recommended by the manufacturer.
◆This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

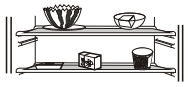
Food storage instructions

◆ Stored food should be wrapped with the fresh bag, film or put in the food containers with covers to avoid the foods from being dried or smell affected.

◆ Hot foods and drinks should be cooled to the room temperature before they are put into the refrigerator.



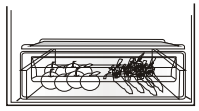
◆ Cooked and uncooked foods should be stored separately.



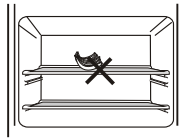
◆ Stored foods should not be placed too compact to ensure that there is enough space for good cool air circulation.
Air vent at the rear should not be blocked.
Caution: 1. Do not place the food close to the temperature sensor;
2. Food or container should not be against the rear wall.

◆ It is better to store the food by dividing them into small pieces.

◆ It is better to wash the washable foods such as fruits or vegetables before storage.



◆ Fruits and vegetables shall be stored in the fresh fruit drawer to keep their water contents and freshness.



Caution

Tropical fruits such as bananas and pineapples shall not be stored in the refrigerator;

Articles that have strict requirements for the temperatures such as blood serum, vaccine, or academicmaterials shall not be stored in the refrigerator.

Control Panel

3. Freezer Temperature Setting Button

◆3-1. You can set the freezer temperature by pressing the freezer Temperature button.
◆3-2. Press the temperature setting button, you will hear the "Ding" sound. The freezer setting temperature will display the current set temperature. Every time you press the button, the temperature will be changed in a sequence of -20℃, -21℃, -22℃, -23℃, -24℃, -25℃, -14℃, -15℃, -16℃, -17℃, -18℃, -19℃, -20℃.
◆3-3. Every time you press the temperature setting button you will hear the "Ding" sound.
◆3-4. 5 seconds after you press the button, the temperature you set will be confirmed. The screen will then display the current temperature before you set the new one.

4. Vacation Function Button

◆4-1. Once you press the vacation function button, the refrigerator will be shifted to the vacation mode. The refrigerator will be turned off and the refrigerator temperature lamp will also be off. You will see "Vacation" lamp turned on.
◆4-2. In vacation mode, if you press the temperature setting button, the appliance will quit from the current mode. The refrigerator temperature will be controlled according to the set temperature.
◆4-3. If you press vacation function button again, the refrigerator will be turned on and the temperature display lamp will be on. The refrigerator's temperature will be controlled according to the set temperature before the vacation mode is off.

5. Super Freeze Button

◆5-1. Press Super Freeze button, the refrigerator will be shifted to Super Freeze mode, then the "Super Freeze" lamp will be on;
◆5-2. Press Super Freeze button again, you will quit from the super freeze mode or the appliance will automatically quit from the super freeze mode 2.5 hours later;
◆5-3. When the appliance is in the super freeze mode, the refrigerator temperature is controlled according to its set temperature. Freezer temperature can be set, but its actual control shall start after the refrigerator quits from super freeze mode.

If you need to freeze large amount of food stuff, set the temperature of freezer compartment as the coldest temperature before you turn on the Super Freezer Button.

6. Alarm Button

◆6-1. When you press the alarm button, the door alarm will be off, the "Alarm On" lamp will be off. The appliance will not alarm when the door is left open;
◆6-2. When you press the button again, the alarm will be on again;

Control Panel

7. Malfunction Alarm Function

◆7-1.If the temperature display flashes abnormally and shows as "88" "-88" "-88" "-88", please contact a specialized person for the repair as soon as possible.

8. Door Open Alarm function

◆8-1.In the Door Open Alarm function, if you open the door for a long period of time, the refrigerator will give off "DeeDee" sound at intervals to Remind you of closing the door.

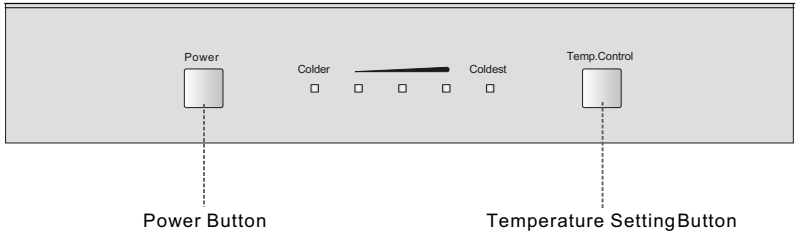
First Power-on and Temperature Adjustment

When the appliance is connected with the power for the first time , all the displays will be on for 2 seconds. The refrigerator temperature will be automatically set at 3℃ while the freezer temperature will be set at -20℃. The door opening alarm is on while the refrigerator and freezer temperatures are displayed.

◆You may set the inside temperatures according to your actual requirements.

Control Panel (RL370SC*,RL370SG*)

The panel is on the upper frame.



Control Panel

1.Temperature Setting （Temp.Control）

◆1-1.Press Cooling Power button to set the temperatures;
◆1-2.Press the Cooling Power button and the refrigerator will flash to display the current set temperatures. If you press the button again, the new temperature will be set. There are five temperatures as options. The set temperatures will be circulation displayed according to some sequences when pressing the buttons. The more the lamps are on, the cooler the temperature will be;
◆1-3.The set value will be confirmed five seconds after stop pressing the button, the currently selected temperature will be confirmed and be displayed.

If you need to freeze large amount of food stuff, set the temperature of freezer compartment as the coldest temperature at least 24 hours before.

2.Power Button（Power）

◆2-1.During the operation of the refrigerator, if the button is pressed for 3 seconds, all the lamps will be off and the refrigerator will stop running.
◆2-2.If the button is pressed for another 3 seconds, the refrigerator will start running again.

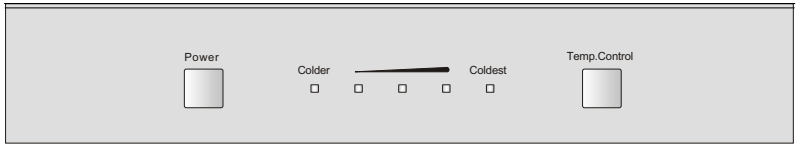
3.Malfunction Alarm Function

◆3-1.If the following problems occur, please notify the specialized staff to repair the refrigerator.
◆3-2.If the indicating lamp is flashing, it means the refrigerator has problem.

Caution

If you want to clean the refrigerator, do pull out the power plug.

The First Power Connection and Temperature Adjustment



When the appliance is connected with the power, all displays will be on for 2 seconds, and then the refrigerator will enter the set operation mode automatically. (3 lamps on)

◆The inside temperature is usually set under the default setting mode (3 lamps on) or is adjusted according to the actual requirements of the user.